Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Particle Theory of Matter (Review from Grade 7) - UMASH

All particles of matter:

1. U - Unique
2. M - Moving
3. A - Attract
4. S - Small
5. H - Heat

Cell Membrane

The cell membrane is the outer layer of animal cells. They are also found in plants. It protects and transports. It is semipermeable.

Impermeable Semipermeable Permeable

Yes

No

Maybe

Yes

No!

Diffusion

Diffusion is the movement of particles from an area of high concentration to an area of lower concentration.

Osmosis

Osmosis is the diffusion of water through a selectively permeable membrane from a high concentration to a low concentration.

Active Transport

Active Transport is the movement of a substance across a membrane with the help of energy and a specific transport protein.